NOEP\$

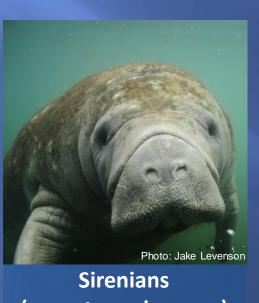
Welcome to the NOAA office in Woods Hole

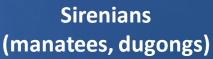


What is a marine mammal?

Mammals adapted for life in the marine environment















Introduction: Sound

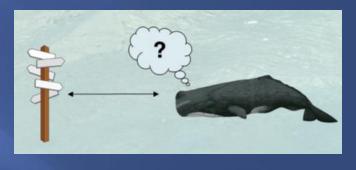
Most marine mammals use sound for:



Foraging/Echolocation



Communication

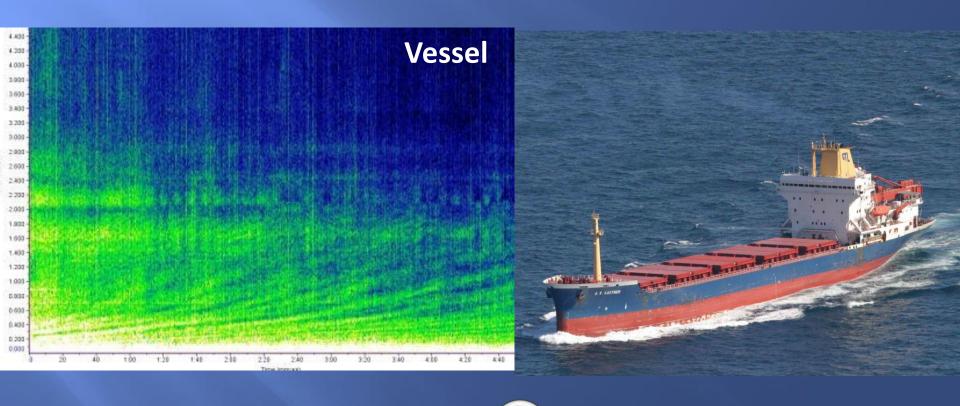


Navigation

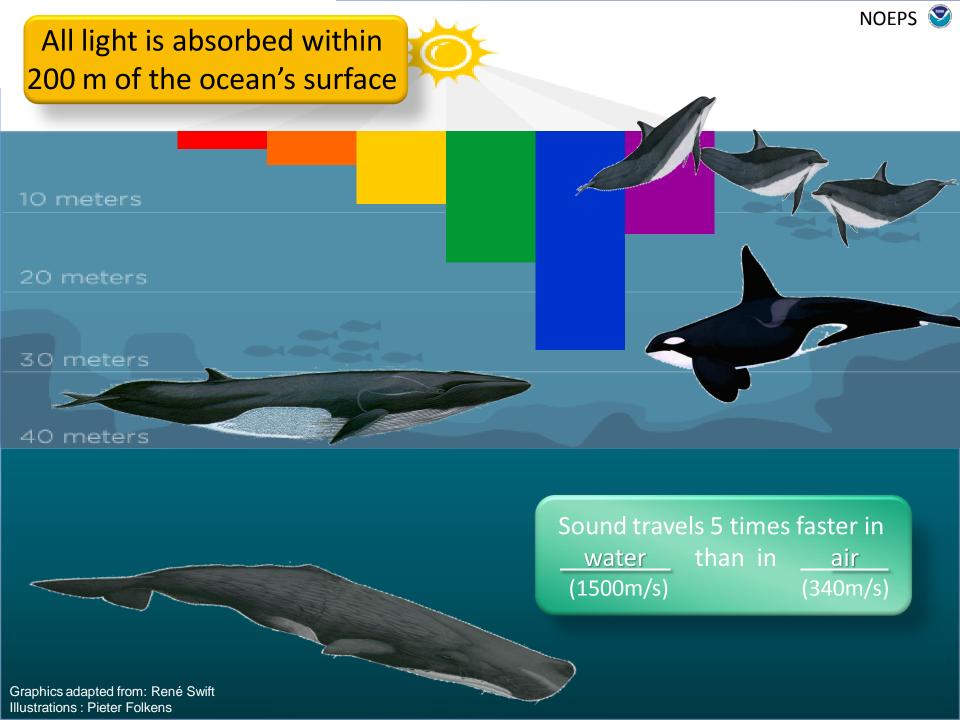
Sound travels 4.5 times faster under water than in air

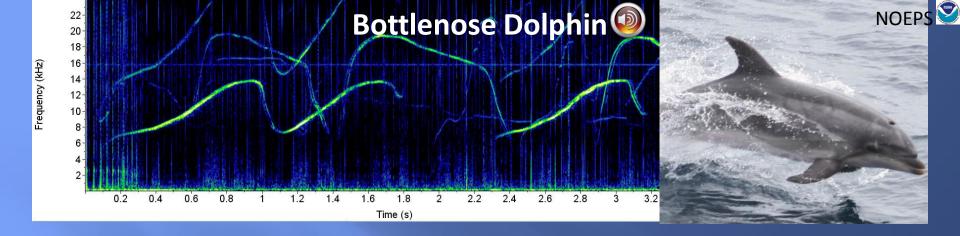


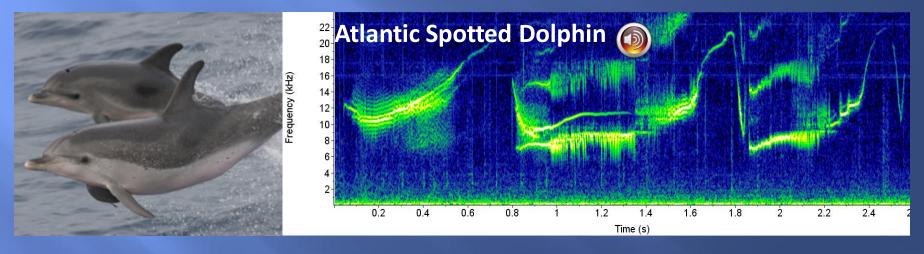
Ship Noise for Blind Find

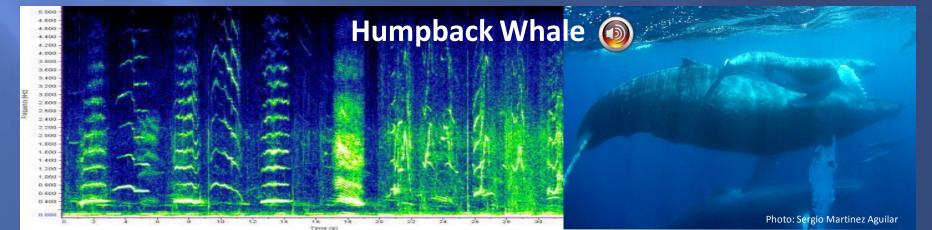


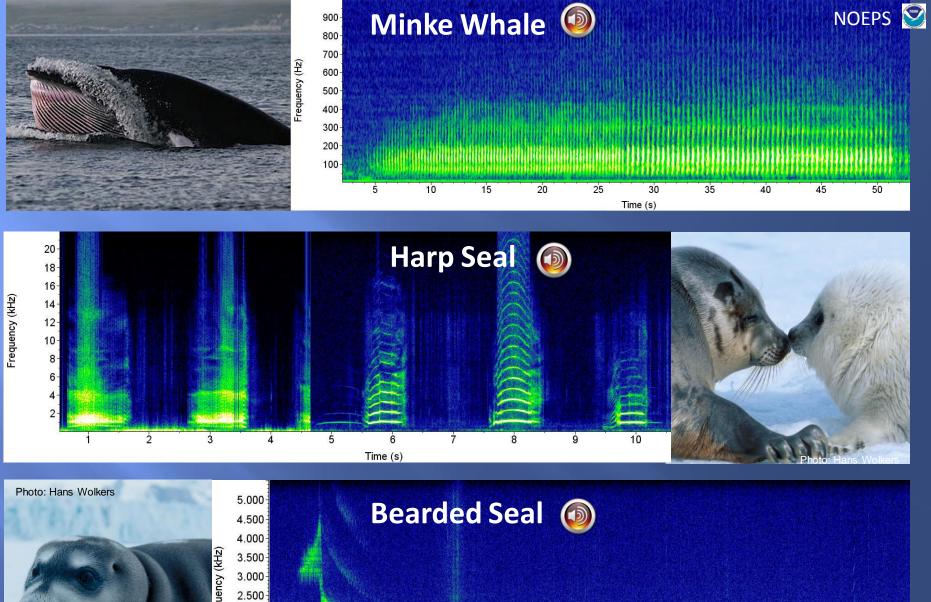


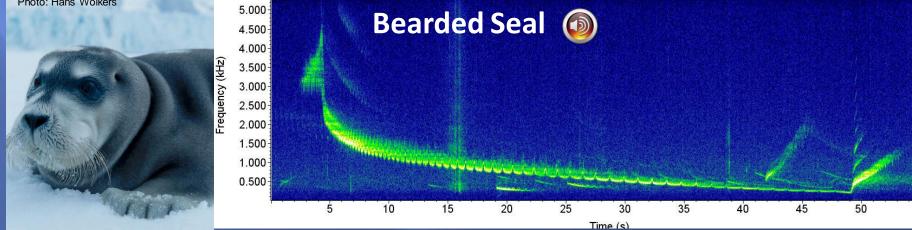




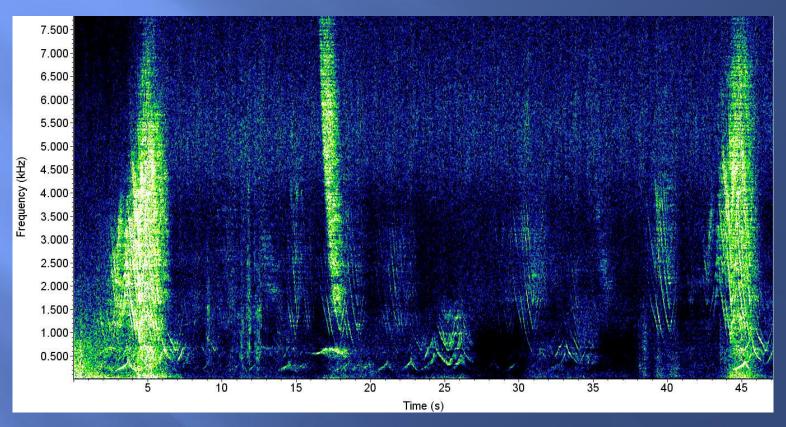








WHAT AM I?



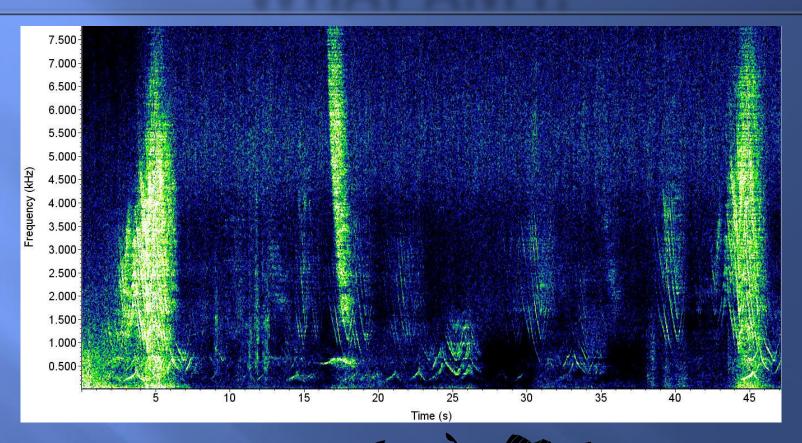








WHAT AM !?



- This animal eats squid and fish
- ❖ Adults grow up to 8 feet and weigh up to 440 pounds
- They are found around Antarctica





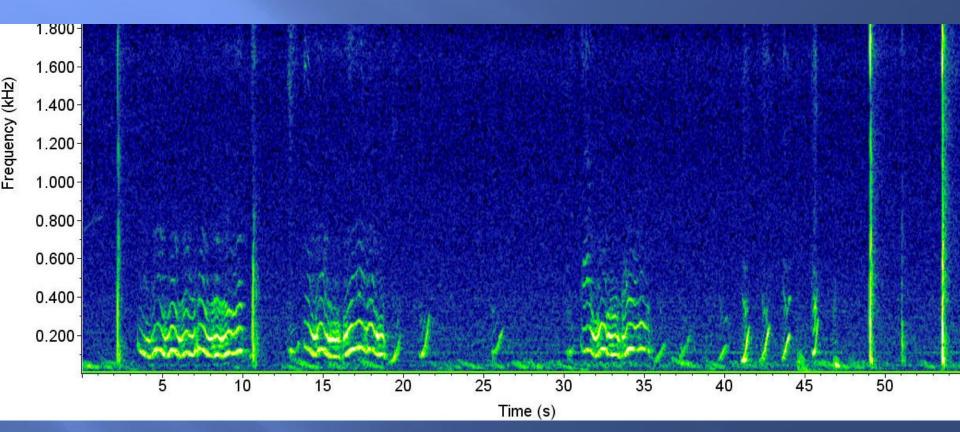




I AM A...



WHAT AM 1?



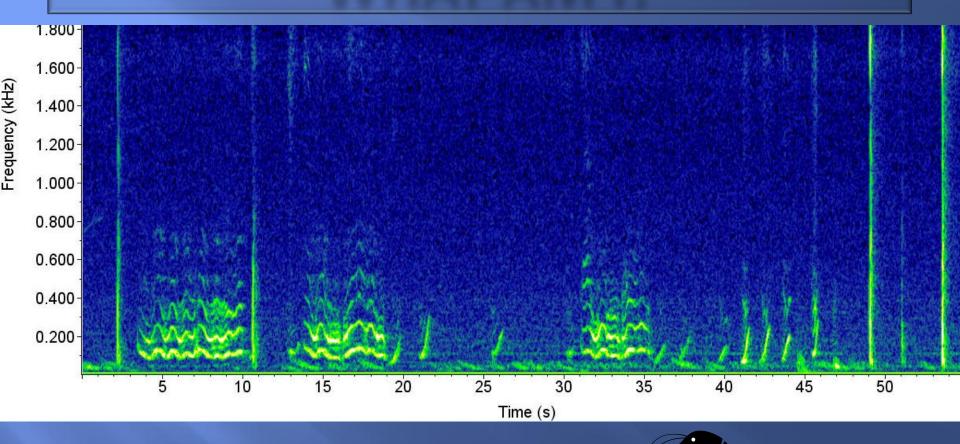






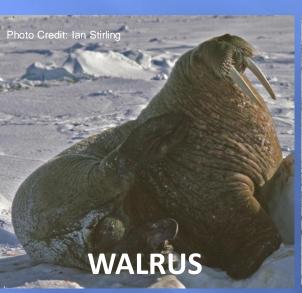


WHAT AM I?



- This animal eats tiny zooplankton, primarily copepods
- ❖ Adults grow up to 55 feet and weigh up to 70 tons
- Now highly endangered, their name comes from the reason they were hunted in such high numbers





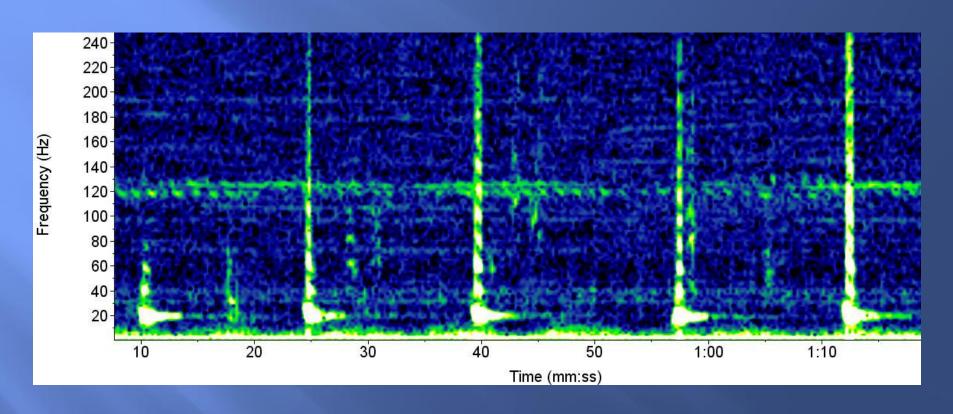




I AM A...



WHAT AM 1?



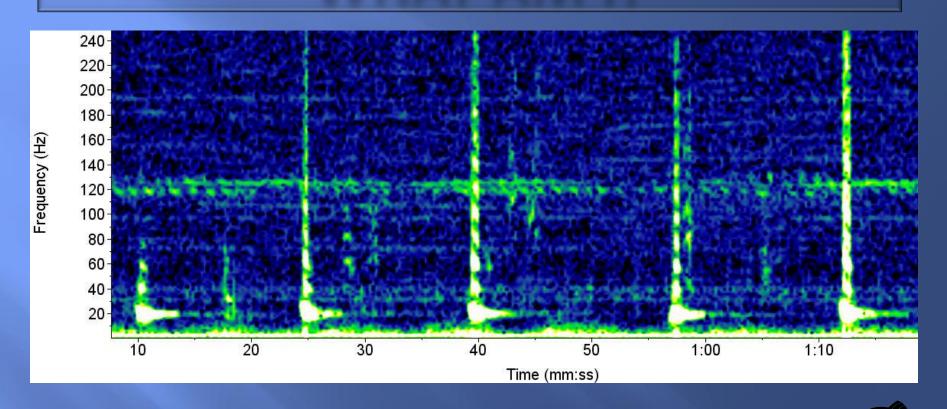








WHAT AM !?



- * This animal eats schools of krill, small fish, or squid by lunging into them
- ❖ Adults grow up to 85 feet and weigh up to 80 tons
- They make some of the loudest vocalizations in the ocean (up to 186 dB!)



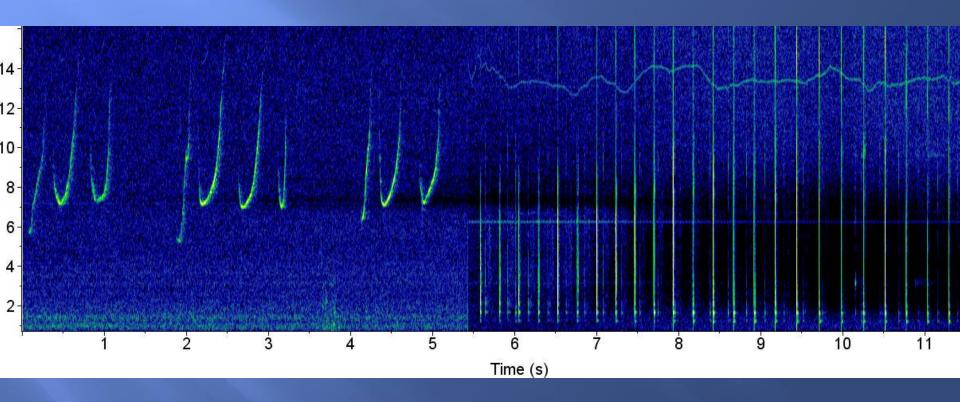




I AM A...



WHAT AM I?



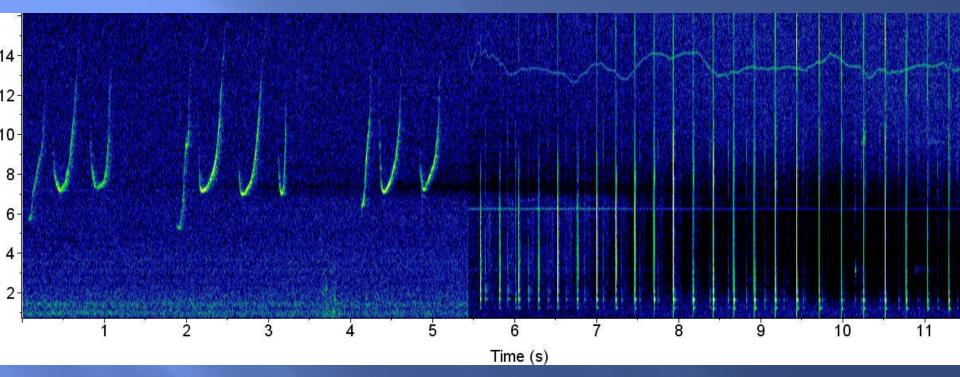








WHAT AM I?



- This animal eats a variety of fish, cephalopods, and crustaceans
- ❖ Adults grow up to 10 feet and weigh up to 770 pounds
- Their scientific name Lagenorhynchus is derived from the Latin word lagenos for "bottle" and rhynchos for "beak"
 NOEPS





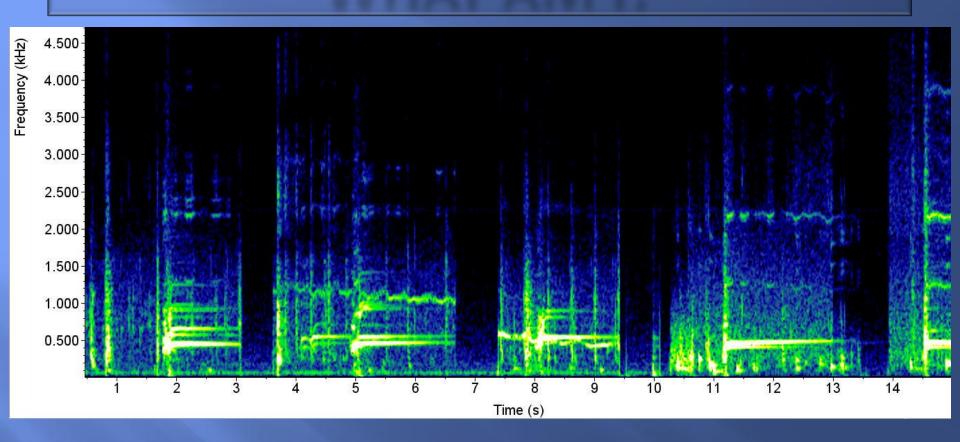




I AM A...



WHAT AM I?



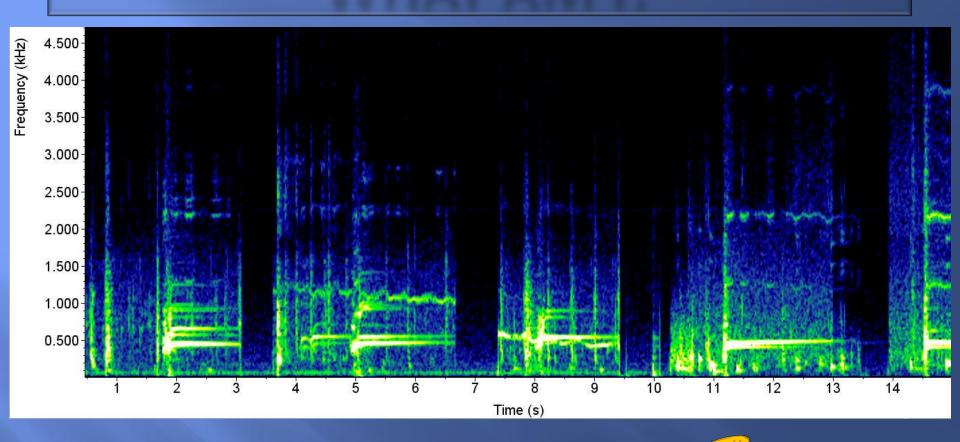








WHAT AM I?



- * This animal eats mollusks (clams) and other invertebrates
- ❖ Adults grow up to 10.5 feet and weigh up to 2700 lbs
- They rely on thick pack ice for resting and giving birth



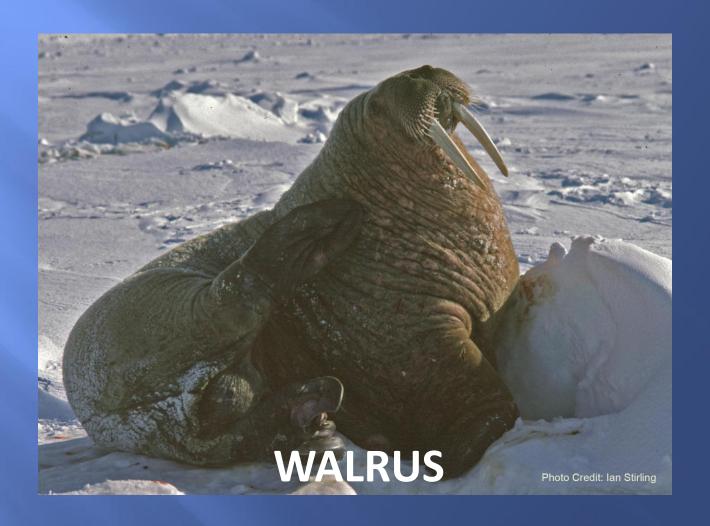








I AM A...



Right Whale Listening Network



Right Whale Listening Network



"Whale Alert" iPad & iPhone app for mariners:

-receive real-time information on right whale locations and local management guidelines



You are now an Orca



Threats to Marine Mammals: Sound

- 1. Hearing loss or injury
- 2. Change in behavior

3. Prevent animals from hearing important sounds









Spread

the word

How can we help?

- Don't litter
- Recycle
- Buy eco-friendly products

Conserve



As Scientists...









Scientist Spotlight

Our very own PSB scientist...

Sofie Van Parijs looks at sound in the ocean. She looks at what species are making sounds in the ocean and where and what they are saying. She also looks at how man made sound affects marine mammals.

